

WHAT IS CLAIMED IS:

1. A reflective liquid crystal display, comprising:

upper and lower substrates that are opposite to and are spaced apart from each other;

a liquid crystal layer interposed between the upper and lower substrates;

5 a transparent common electrode on the surface of the upper substrate opposite the lower substrate;

a cholesteric liquid crystal (CLC) color filter that selectively reflects and transmits light, the CLC color filter formed over the lower substrate;

a transparent pixel electrode on the CLC color filter; and

10 a light absorption layer between the CLC color filter and the lower substrate.

2. The reflective liquid crystal display of claim 1, wherein the upper and lower substrate are made of a transparent glass substrate.

15 3. The reflective liquid crystal display of claim 1, wherein the light absorption layer is formed of one of an organic material and an organic composite.

4. The reflective liquid crystal display of claim 3, wherein the organic material is one of polyamic acid, polyimide, acrylate, epoxy, siloxane, ester and styrene-based monomer.

20 5. The reflective liquid crystal display of claim 4, wherein the organic material comprises a black-colored additive.

6. The reflective liquid crystal display of claim 5, wherein the black-colored additive is one

of dye, pigment and carbon.

7. A reflective liquid crystal display, comprising:

first and second substrates opposite to and spaced apart from each other;

5 a liquid crystal layer interposed between the first and the second substrates;

a first transparent electrode for applying voltage to the liquid crystal layer, the first transparent electrode formed on the first substrate;

a cholesteric liquid crystal (CLC) color filter that selectively reflects and transmits light, the CLC color filter formed on the the second substrate;

10 a second transparent electrode for applying voltage to the liquid crystal layer, the second transparent electrode formed on the CLC color filter;

wherein the second substrate acts as a light absorption layer that includes an organic material and a black-colored additive.

15 8. The reflective liquid crystal display of claim 7, wherein the first substrate is a transparent glass.

9. The reflective liquid crystal display of claim 7, wherein the organic material is one of polyamic acid, polyimide, acrylate, epoxy, siloxane, ester and styrene-based monomer.

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10. The reflective liquid crystal display of claim 7, wherein the black-colored additive is one of dye, pigment and carbon.

11. A method of forming a lower substrate for use in a reflective liquid crystal display device,

comprising:

forming a light absorption layer on a substrate;

rubbing the light absorption layer in one direction;

forming a cholesteric liquid crystal (CLC) color filter on the light absorption layer;

5 and

forming a transparent pixel electrode on the CLC color filter.

12. The method according to claim 11, wherein the substrate is made of a transparent glass substrate.

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13. The method according to claim 11, wherein the light absorption layer is formed of one of an organic material and an organic composite.

14. The method according to claim 13, wherein the organic material is one of polyamic acid,

15 polyimide, acrylate, epoxy, siloxane, ester and styrene-based monomer.

15. The method according to claim 14, wherein the organic material comprises a black-colored additive.

20 16. The reflective liquid crystal display of claim 15, wherein the black-colored additive is one of dye, pigment and carbon.

17. A method of forming a lower substrate for use in a reflective liquid crystal display device, comprising:

preparing a light absorption layer as a substrate;
forming a cholesteric liquid crystal (CLC) color filter on the light absorption layer;
and
forming a transparent pixel electrode on the CLC color filter.

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18. The method according to claim 17, wherein the light absorption layer is formed of one of an organic material and an organic composite.

19. The method according to claim 18, wherein the organic material is one of polyamic acid,
10 polyimide, acrylate, epoxy, siloxane, ester and styrene-based monomer.

20. The method according to claim 19, wherein the organic material comprises a black-colored additive.

15 21. The reflective liquid crystal display of claim 20, wherein the black-colored additive is one of dye, pigment and carbon.